

CLAIMS:

1. Audio reproducing device comprising an input for receiving an k -channel input signal, an output for supplying an l -channel output signal to l loudspeakers, an audio processing unit for processing the input signal, which audio processing unit comprises enhancing means for enhancing a m -channel signal part of the k -channel input signal,
5 whereby $m \leq n$ and the enhancing means have a preferably monotone transfer function.

2. Audio reproducing device according to claim 1 characterized in that the enhancing means comprise a non-linear device with a monotone transfer function, which is anti-symmetrical.

3. Audio reproducing device according to claim 1 characterized in that the transfer function is $\tanh(x)$.

4. Method of reproducing an audio signal comprising a step of processing a received input signal, supplying separated signal parts, processing a signal part where by the processing has a transfer function with a monotone decreasing slope.

5. Method as claimed in claim 1 characterized in that the transfer function is $\tanh(x)$.